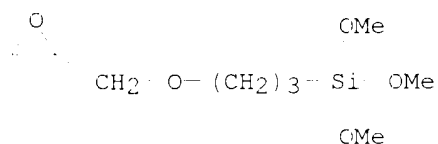


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1	2	4719262.pn.	USPAT; US-PGPUB; DEFWENT	2002/08/14 14:28
2	2	4961967.pn.	USPAT; US-PGPUB; DEFWENT	2002/08/14 14:31
3	2	4933327.pn.	USPAT; US-PGPUB; DEFWENT	2002/08/14 14:33
4	2	6004755.pn.	USPAT; US-PGPUB; DEFWENT	2002/08/14 14:35
5	82246	microarray same discrete spots	USPAT; US-PGPUB; DEFWENT	2002/08/14 14:35
6	82214	microarray near5 discrete spots	USPAT; US-PGPUB; DEFWENT	2002/08/14 14:36
7	82204	microarray adj2 discrete spots	USPAT; US-PGPUB; DEFWENT	2002/08/14 14:36
8	1674	microarray	USPAT; US-PGPUB; DEFWENT	2002/08/14 14:36
9	463	microarray and discrete	USPAT; US-PGPUB; DEFWENT	2002/08/14 14:37

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L6 ANSWER 102 OF 146 CAPLUS COPYRIGHT 2002 ACS
AN 1991:243894 CAPLUS
DN 114:243894
TI Substrate preparation for chemical-species-specific binding and
bicsensors
IN Tom-Moy, May; Meyerholtz, Carl Alan
PA Hewlett-Packard Co., USA
SO Eur. Pat. Appl., 10 pp.
CODEN: EPXXLW
DT Patent
LA English
FAN.CNT 3
PATENT NO. KIND DATE APPLICATION NO. DATE
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FI EP 416730 A2 19910313 EP 1990-307981 19900720
EP 416730 A3 19920701
EP 416730 B1 19960522
R: DE, FR, GB
JP 03100438 A2 19910425 JP 1990-238823 19900907
FRAI US 1989-404721 A 19890908
IT 2530-83-8, 3-Glycidoxypropyltrimethoxysilane
FL: FCT (Reactant)
(reaction of, with silica in coupling avidin and binding
biotinylated antibody)
FN 2530-83-8 CAPLUS
CN Silane, trimethoxy[3-(oxiranylethoxy)propyl]- (9CI) (CA INDEX NAME)

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L6 ANSWER 106 OF 146 CAPLUS COPYRIGHT 2002 ACS
 AN 1990:552379 CAPLUS
 DN 113:151972
 TI Support-bound oligonucleotides
 IN Southern, Edwin M.; Maskos, Uwe
 EA Isis Innovation Ltd., UK
 SO PCT Int. Appl., 24 pp.
 CODEN: PIXXD2

DT Patent
 LA English
 FAN.CNT 1

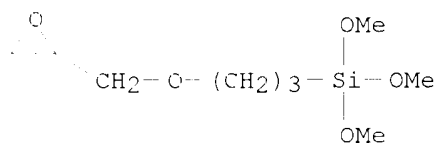
	PATENT NO.	KIND	DATE	APPLICATION NO.	DATE
FI	WO 9003382	A1	19900405	WO 1989-GB1114	19890921
	W: JP, US				
	FW: AT, BE, CH, DE, FR, GB, IT, LU, NL, SE				
	EP 386229	A1	19900912	EP 1989-910878	19890921
	EP 386229	B1	19940323		
	F: AT, BE, CH, DE, FR, GB, IT, LI, LU, NL, SE				
	JP 04500671	T2	19920206	JP 1989-510012	19890921
	JP 3129723	B2	20010131		
	AT 103290	E	19940415	AT 1989-910878	19890921
	US 5436327	A	19950725	US 1991-669412	19910320
PRAI	GB 1988-22228	A	19880921		
	EP 1989-910878	A	19890921		
	WO 1989-GB1114	W	19890921		

IT 2530-83-8

RL: RCT (Reactant)
 (reaction of, with ballotini glass beads)

RI 2530-83-8 CAPLUS

CN Silane, trimethoxy[3-(oxiranylmethoxy)propyl]- (9CI) (CA INDEX NAME)



L6 ANSWER 56 OF 146 CAPLUS COPYRIGHT 2002 ACS
AN 1993:806760 CAPLUS
DN 130:48238

TI **Attachment** of unmodified **nucleic** acids to silanized
solid phase for **nucleic** acid assay

IN Shi, Jufang; Boyce-Jacino, Michael T.

PA Molecular Tool, Inc., USA

SO PCT Int. Appl., 39 pp.

CODEN: PINXDE

DT Patent

LA English

FAN.CNT 1

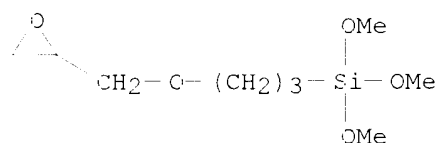
	PATENT NO.	KIND	DATE	APPLICATION NO.	DATE
FI	WO 9855593	A1	19981210	WO 1998-US11662	19980605
	W:	AL, AM, AT, AU, AE, BA, BE, BG, BR, BY, CA, CH, CN, CU, CZ, DE, DK, EE, ES, FI, GB, GE, GH, GM, GW, HU, ID, IL, IS, JP, KE, KG, KP, KR, KZ, LC, LK, LR, LS, LT, LU, LV, MD, MG, MK, MN, MW, MX, NO, NZ, PL, PT, RO, RU, SD, SE, SG, SI, SK, SL, TJ, TM, TR, TT, UA, UG, US, UZ, VN, YU, ZW, AM, AE, BY, BG, KZ, MD, RU, TJ, TM, RW: GH, GM, KE, LS, MW, SD, SE, UG, ZW, AT, BE, CH, CY, DE, DK, ES, FI, FR, GB, GR, IE, IT, LU, MC, NL, PT, SE, BE, BJ, CF, CG, CI, CM, GA, GN, ML, ME, NE, SN, TD, TG			
	US 5919626	A	19990706	US 1997-870010	19970606
	AU 9877260	A1	19981011	AU 1998-77260	19980605
	AU 739412	B2	20011011		
	EP 996709	A1	20000503	EP 1998-925267	19980605
	R:	CH, DE, FR, GB, LI			
	JP 2002506347	T2	20020126	JP 1999-502940	19980605
	US 6136962	A	20001024	US 1998-102371	19980623
	US 6387626	B1	20000514	US 1998-638436	20000514
FRAI	US 1997-870010	A	19970606		
	WO 1998-US11662	W	19980605		
	US 1998-102371	A1	19980623		
AB	Described is a simple, most effective method for immobilizing synthetic, unmodified nucleic acid mols. onto a silane-coated solid support via covalent linkage . The highly hydrophobic silanized surface that allows oligonucleotide probe droplets to form at specific and localized positions on the solid surface, which is suitable for automated and scaled-up process for DNA array prepn. Also claimed are methods for (1) prepn. of the surface by coating with a mercapto-alkyl-trimethoxysilane or glycidoxy-alkyl-silane and curing of the coating in a dry inert gas such as Ar or N ₂ at 60-70.degree. for 10-14 h; and (2) coupling of unmodified nucleic acids via ether or thioether linkage in an alk. soln. The invention further concerns the use of such immobilized mols. in nucleic acid hybridization assays, sequencing by hybridization assays, and genetic analyses and combinatorial analyses involving nucleic acids or proteins for screening applications.				
IT	2530-83-8, 3-Glycidoxypropyltrimethoxysilane RL: DEV (Device component use); USES (Uses) (attachment of unmodified nucleic acids to silanized solid phase for nucleic acid assay)				
FN	2530-83-8 CAPLUS				
CN	Silane, trimethoxy[3-(oxiranylmethoxy)propyl]- (9CI) (CA INDEX NAME)				

=> d 89, 93 bib

L6 ANSWER 89 OF 146 CAPLUS COPYRIGHT 2002 ACS
AN 1995:4229 CAPLUS
DN 122:265965
TI Synthesis of sulfated and phosphorylated glycopeptides from the
carbohydrate-**protein linkage** region of proteoglycans
AU Fio, Sandrine; Beau, Jean Marie; Jacquinet, Jean Claude
CS Fac. Sci., Univ. Orleans, Orleans, F-45067, Fr.
SO Carbohydr. Res. (1994), 255 103-24
CODEN: CRBRAT; ISSN: 0008-6215
DT Journal
LA English

L6 ANSWER 93 OF 146 CAPLUS COPYRIGHT 2002 ACS
AN 1994:107686 CAPLUS
DN 120:107686
TI Total synthesis of the carbohydrate-**protein linkage**
region common to several mammalian proteoglycans
AU Fio, Sandrine; Beau, Jean Marie; Jacquinet, Jean Claude
CS Fac. Sci., Univ. Orleans, Orleans, F-45067, Fr.
SO Carbohydr. Res. (1993), 244(2), 295-313
CODEN: CRBRAT; ISSN: 0008-6215
DT Journal
LA English
OS CASFEACT 120:107686

L5 ANSWER 98 OF 146 CAPLUS COPYRIGHT 2002 ACS
 AN 1992:401921 CAPLUS
 DN 117:1921
 TI **Oligonucleotide** hybridizations on glass supports: a novel
 linker for **oligonucleotide** synthesis and hybridization
 properties of **oligonucleotides** synthesized in situ
 AU Maskos, Uwe; Southern, Edwin M.
 CS Dep. Biochem., Univ. Oxford, Oxford, OX1 3QU, UK
 SO Nucleic Acids Res. (1992), 20(7), 1679-84
 CODEN: NARHAD; ISSN: 0305-1048
 DT Journal
 LA English
 IT **2530-83-8**
 RL: USES (Uses)
 (glass support immobilization of, reaction with diols after, for
 synthesis of solid support-bound linker for
oligonucleotide synthesis)
 RI 2530-83-8 CAPLUS
 CI Silane, trimethoxy[3-(oxiranylmethoxy)propyl]- (9CI) (CA INDEX NAME)



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